

Abstract of the Disclosure:

Channel selection of a received signal is first of all carried out, in the process, by way of an analog channel selection filter. The signal is then converted to a digital discrete-time and discrete-value signal. Finally, the continuous-time and continuous-value signal profile is determined on the basis of a mathematical reconstruction using the zero crossings $\{t_i\}$ and the phase values $\{\phi(t_i) = k_i \cdot \pi/2, k_i \in N_0\}$, with a mathematical reconstruction algorithm using a function system $\{\phi(t - k)\}$.

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